

Lab Sheet Color:

IEPA - DWPC - FOS - LAB SHEET

Field ID No.:

09-Funding Code: WP26 10-Agency Routing MO 12-File Code: AGRI 13-Sample Type: X15-Reporting: B 16-DID: Basin _____ County _____ Plant _____ 17-Sampling Program: AG18-Facility/Sample Pt: ELM Farms, Inc. / Sample A
19-Begin 11 05 27 20-Begin 15 00
Date: Y Y M M D D H H M M23-Instructions
to Lab: _____21-Collected by: JDS 22-Transported by: JDS (24 hr. clock)27-Received By: UPS Date: 11 05 27
Y Y M M D DReceived by: _____ Date: _____
Y Y M M D DCircle One: Effluent Stream Specials:
Influent Process Flows WWT
Sludge Cooling Water OtherProgram: LivestockNPDES No: Sample A

Receiving Stream Name: _____

Receiving Stream Conditions (velocity, etc): _____

Effluent Conditions: _____

Weather Conditions: _____

JUL 25 2011
Ill. Environmental Protection Agency
MARION REGIONAL OFFICE

Composite Sample

Ending Date: 5 2 9 F 0

Y Y M M D D

Ending Time: 5 2 9 F 0

H H M M

(24-hr. clock)

03-Lab Parameter Group: EFFQSAdditional
Lab Parameters

Field

Parameters

Results

501FO

Air Temp (°C)

502FO

Water Temp (°C)

504FO

Dissolved O₂

503FO

Conductance

500FO

pH

Comments & Unusual Conditions &
Severity: (If applicable, Stamp-
"No Visible Problem This Visit")Remarks: Sample collected from the creek at 1-holding pond discharge.Sampling Techniques: Grab

SE11344

Mail To:

Joe Stritely
Marion Regional Office

FOR LABORATORY USE

LAB ID NO.

Sample Received By: _____

Date Received: MAY 27 2011Time Received: 9 30 AM PM

Lab Section: _____

Supervisor: EE 7/10/11



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ELM FARMS INC**

Project/Facility Number: **SAMPLE A**

Funding Code: **WPZ6**

Trip ID:

Date Received : **05/27/11**

Visit Number:

Temperature C: **3.00**

Client Sample ID: **A**

Lab Sample ID: **SE11344-01**

Matrix: **Water**

Collected By: **JDS**

Date/Time Collected: **05/26/11 15:10**

Sample Type: **Grab**

Sample Depth:

Total Depth:

Biochemical Oxygen Demand, 5 day, by Standard Method 5210B

Method: **5210B**

Prepared: **05/27/11 11:07**

Units: **mg/L**

Analyzed: **06/01/11 07:58**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
BOD 5DAY	88.3	J7, L	2.00	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: **353.2**

Prepared: **06/15/11 09:50**

Units: **mg/L**

Analyzed: **06/15/11 12:05**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO₂) + Nitrate	0.454		0.100	

Nitrogen, Ammonia, Potentiometric, Ion Selective by EPA Method 350.3

Method: **350.3**

Prepared: **06/16/11 08:07**

Units: **mg/L**

Analyzed: **06/23/11 09:32**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	85.6		10.0	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ELM FARMS INC**

Project/Facility Number: **SAMPLE A**

Funding Code: **WPZ6**

Trip ID:

Date Received : **05/27/11**

Visit Number:

Temperature C: **3.00**

Client Sample ID: **A**

Lab Sample ID: **SE11344-01**

Matrix: **Water**

Collected By: **JDS**

Date/Time Collected: **05/26/11 15:10**

Sample Type: **Grab**

Sample Depth:

Total Depth:

pH

Method: **150.1**

Prepared: **05/27/11 12:36**

Units: **PH**

Analyzed: **05/27/11 12:37**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.6		0.0	

Phosphorus, All Forms, Colorimetric, Ascorbic by EPA Method 365.3

Method: **365.3**

Prepared: **06/03/11 13:20**

Units: **mg/L**

Analyzed: **06/08/11 18:23**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	20.7		0.0050	

Total Suspended Solids by Standard Method 2540D

Method: **2540D**

Prepared: **06/01/11 11:00**

Units: **mg/L**

Analyzed: **06/01/11 11:10**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	292		4	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ELM FARMS INC**

Project/Facility Number: **SAMPLE A**

Funding Code: **WP26**

Trip ID:

Date Received : **05/27/11**

Visit Number:

Temperature C: **3.00**

Notes and Definitions

- L** Actual value not known, but known to be greater than value shown. To be used when the concentration of the analyte is above the acceptable level for quantitation. Value shown is the highest acceptable level for quantitation.
- J7** Blank spike failed low - possible low bias or false non-detect.
- ND** Analyte NOT DETECTED at or above the reporting limit
- NR** Not Reported
- *** Non-NELAP accredited

Report Authorized by:


Gary Germann
Laboratory Manager

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Lab Sheet Color:

IEPA - DWPC - FOS - LAB SHEET

Field ID No.:

09-Funding Code: WPZ6 10-Agency Routing MO 12-File Code: AGRI 13-Sample Type: X15-Reporting: B 16-DID: Basin _____ County _____ Plant _____ 17-Sampling Program: AG18-Facility/Sample Pt: Elm Farms, Inc. / Sample B
19-Begin 110522 20-Begin 1500
Date: Y Y M M D D H H M M23-Instructions
to Lab: _____21-Collected by: JDS 22-Transported by: JDS (24 hr. clock)27-Received By: UPS Date: 110527
Y Y M M D DReceived by: _____ Date: _____
Y Y M M D DCircle One: Effluent Stream Specials:
Influent Process Flows WWT
Sludge Cooling Water OtherProgram: LivestockNPDES No: Sample B

Receiving Stream Name: _____

Receiving Stream Conditions (velocity, etc): _____

Effluent Conditions: _____

Weather Conditions: _____
IL Environmental Protection Agency
MARION REGIONAL OFFICE

Composite Sample

Ending Date: 5 2 9 F 0
Y Y M M D DEnding Time: 5 2 9 F 0
H H M M
(24-hr. clock)03-Lab Parameter Group: EEFQS

Additional Lab Parameters	Field Parameters	Results
	501FO	
	Air Temp (°C)	
	502FO	
	Water Temp (°C)	
	504FO	
	Dissolved O ₂	
	503FO	
	Conductance	
	500FO	
	pH	

Comments & Unusual Conditions &
Severity: (If applicable, Stamp-
"No Visible Problem This Visit")Remarks: Sample collected from culvert

SE11345

Sampling Techniques: Grab

FOR LABORATORY USE

LAB ID NO.

Sample Received By: SCDate Received: MAY 27 2011Time Received: 9:30 AM PM

Lab Section:

Supervisor: LE 7/2/11

Mail To:

Joe Stately
Marion Regional Office



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ELM FARMS INC**

Project/Facility Number: STATION B Date Received : 05/27/11

Funding Code: WPZ6 Visit Number:

Trip ID: Temperature C: 3.00

Client Sample ID: **B** Lab Sample ID: **SE11345-01**

Matrix: Water Collected By: JDS Date/Time Collected: 05/26/11 15:00

Sample Type: Grab Sample Depth: Total Depth:

Biochemical Oxygen Demand, 5 day, by Standard Method 5210B

Method: 5210B Prepared: 05/27/11 11:07

Units: mg/L Analyzed: 06/01/11 07:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
BOD 5DAY	133	J7, L	2.00	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 06/15/11 09:50

Units: mg/L Analyzed: 06/15/11 12:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (ND		0.100	

Nitrogen, Ammonia, Potentiometric, Ion Selective by EPA Method 350.3

Method: 350.3 Prepared: 06/16/11 08:07

Units: mg/L Analyzed: 06/23/11 09:32

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	16.0		2.00	

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LABORATORY RESULTS

Name: **ELM FARMS INC**

Project/Facility Number: STATION B

Funding Code: WPZ6

Trip ID:

Date Received : 05/27/11

Visit Number:

Temperature C: 3.00

Client Sample ID: **B**

Lab Sample ID: **SE11345-01**

Matrix: Water

Collected By: JDS

Date/Time Collected: 05/26/11 15:00

Sample Type: Grab

Sample Depth:

Total Depth:

pH

Method: 150.1

Prepared: 05/27/11 12:36

Units: PH

Analyzed: 05/27/11 12:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.6		0.0	

Phosphorus, All Forms, Colorimetric, Ascorbic by EPA Method 365.3

Method: 365.3

Prepared: 06/03/11 13:20

Units: mg/L

Analyzed: 06/08/11 18:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	19.1		0.0050	

Total Suspended Solids by Standard Method 2540D

Method: 2540D

Prepared: 06/01/11 11:00

Units: mg/L

Analyzed: 06/01/11 11:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	196		4	

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Illinois Environmental Protection Agency Laboratory

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LABORATORY RESULTS

Name: **ELM FARMS INC**

Project/Facility Number: STATION B

Date Received : 05/27/11

Funding Code: WPZ6

Visit Number:

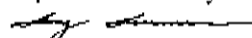
Trip ID:

Temperature C: 3.00

Notes and Definitions

- L Actual value not known, but known to be greater than value shown. To be used when the concentration of the analyte is above the acceptable level for quantitation. Value shown is the highest acceptable level for quantitation.
- J7 Blank spike failed low - possible low bias or false non-detect.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- * Non-NELAP accredited

Report Authorized by:


Gary Germann
Laboratory Manager

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Lab Sheet Color:

IEPA - DWPC - FOS - LAB SHEET

Field ID No.:

09-Funding Code: UP26 10-Agency Routing: MO 12-File Code: AGRI 13-Sample Type: X15-Reporting: B 16-DID: Basin _____ County _____ Plant _____ 17-Sampling Program: AG18-Facility/Sample Pt: Elm Farms, Inc / Sample C19-Begin 110527 20-Begin 1455
Date: Y Y M M D D H H M M

23-Instructions

to Lab: _____

21-Collected by: BER 22-Transported by: JDS (24 hr. clock)27-Received By: UPS Date: 110527
Y Y M M D DReceived by: _____ Date: _____
Y Y M M D DCircle One: Effluent Stream _____ Specials: _____
Influent Process Flows WWT
Sludge Cooling Water OtherProgram: LivestockNPDES No: Sample C

Receiving Stream Name: _____

Receiving Stream Conditions (velocity, etc): _____

Effluent Conditions: RECEIVED

JUL 25 2011

Weather Conditions: _____

II Environmental Protection Agency
MARION REGIONAL OFFICE

Composite Sample

Ending Date: 5 2 9 F 0

Y Y M M D D

Ending Time: 5 2 9 F 0

H H M M

(24-hr. clock)

03-Lab Parameter Group: EFFQSAdditional
Lab Parameters

Field

Parameters

Results

501FO

Air Temp (°C)

502FO

Water Temp (°C)

504FO

Dissolved O₂

503FO

Conductance

500FO

pH

Comments & Unusual Conditions &
Severity: (If applicable, Stamp-
"No Visible Problem This Visit")Remarks: Sample collected downstream

SE11346

Sampling Techniques:

Grab

Mail To:

Joe Stately
Marion Regional Office

FOR LABORATORY USE

LAB ID NO.

Sample Received By: SCDate Received: MAY 27 2011Time Received: 930 AM PM

Lab Section:

Supervisor: SC 7/21/11



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ELM FARMS INC**

Project/Facility Number: **SAMPLE C** Date Received : **05/27/11**

Funding Code: **WPZ6** Visit Number:

Trip ID: Temperature C: **3.00**

Client Sample ID: **C** Lab Sample ID: **SE11346-01**

Matrix: **Water** Collected By: **BER** Date/Time Collected: **05/26/11 14:55**

Sample Type: **Grab** Sample Depth: Total Depth:

Biochemical Oxygen Demand, 5 day, by Standard Method 5210B

Method: **5210B** Prepared: **05/27/11 11:07**

Units: **mg/L** Analyzed: **06/01/11 07:58**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
BOD 5DAY	87.7	J7, L	2.00	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: **353.2** Prepared: **06/15/11 09:50**

Units: **mg/L** Analyzed: **06/15/11 12:09**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO₂) + Nitrate	0.420		0.100	

Nitrogen, Ammonia, Potentiometric, Ion Selective by EPA Method 350.3

Method: **350.3** Prepared: **06/16/11 08:07**

Units: **mg/L** Analyzed: **06/23/11 09:32**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	80.9		10.0	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ELM FARMS INC**

Project/Facility Number: **SAMPLE C**

Funding Code: **WPZ6**

Trip ID:

Date Received : **05/27/11**

Visit Number:

Temperature C: **3.00**

Client Sample ID: **C**

Lab Sample ID: **SE11346-01**

Matrix: **Water**

Collected By: **BER**

Date/Time Collected: **05/26/11 14:55**

Sample Type: **Grab**

Sample Depth:

Total Depth:

pH

Method: **150.1**

Prepared: **05/27/11 12:36**

Units: **PH**

Analyzed: **05/27/11 12:37**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.7		0.0	

Phosphorus, All Forms, Colorimetric, Ascorbic by EPA Method 365.3

Method: **365.3**

Prepared: **06/03/11 13:20**

Units: **mg/L**

Analyzed: **06/08/11 18:24**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	21.6		0.0050	

Total Suspended Solids by Standard Method 2540D

Method: **2540D**

Prepared: **06/01/11 11:00**

Units: **mg/L**

Analyzed: **06/01/11 11:10**

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Suspended Solids	260		4	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **ELM FARMS INC**

Project/Facility Number: **SAMPLE C**

Funding Code: **WPZ6**

Trip ID:

Date Received : **05/27/11**

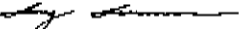
Visit Number:

Temperature C: **3.00**

Notes and Definitions

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- J7** Blank spike failed low - possible low bias or false non-detect.
- ND** Analyte NOT DETECTED at or above the reporting limit
- NR** Not Reported
- *** Non-NELAP accredited

Report Authorized by:


Gary Germann
Laboratory Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAP (accredited by Florida DOI #E37645).

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07/20/11 14:24

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